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PTO/SB/01 (12-97)

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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

Declaration Submitted with Initial Filing      OR       Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number	41000
First Named Inventor	Ernst Eberlein
<b><i>COMPLETE IF KNOWN</i></b>	
Application Number	/
Filing Date	
Group Art Unit	
Examiner Name	

**As a below named Inventor, I hereby declare that:**

**My residence, post office address, and citizenship are as stated below next to my name.**

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## Coarse Frequency Synchronisation in Multicarrier Systems

the specification of which

***(Title of the Invention)***

is attached hereto

OR

was filed on (MM/DD/YYYY) **04/14/98** as United States Application Number or PCT International

Application Number **PCT/EP98/02170** and was amended on (MM/DD/YYYY)  (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
				<input data-bbox="1091 1330 1114 1334" type="checkbox"/> YES <input data-bbox="1206 1330 1230 1334" type="checkbox"/> NO
			<input data-bbox="964 1336 987 1341" type="checkbox"/> <input data-bbox="964 1341 987 1345" type="checkbox"/> <input data-bbox="964 1345 987 1349" type="checkbox"/> <input data-bbox="964 1349 987 1353" type="checkbox"/> <input data-bbox="964 1353 987 1358" type="checkbox"/>	<input data-bbox="1091 1336 1114 1341" type="checkbox"/> <input data-bbox="1091 1341 1114 1345" type="checkbox"/> <input data-bbox="1091 1345 1114 1349" type="checkbox"/> <input data-bbox="1091 1349 1114 1353" type="checkbox"/> <input data-bbox="1091 1353 1114 1358" type="checkbox"/>

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below:

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Application Number(s)	Filing Date (MM/DD/YYYY)

[Page 1 of 2]

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## DECLARATION — Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

Additional U.S. or PCT International application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:  Customer Number  →  Place Customer Number Bar Code Label here

Registered practitioner(s) name/registration number listed below

Name	Registration Number	Name	Registration Number
David S. Abrams	22,576	Stacey J. Longanecker	33,952
Robert H. Berdo	19,415	Joseph J. Buczynski	35,084
Alfred N. Goodman	28,458	Wayne C. Jaeschke, Jr.	38,503
Mark S. Bicks	28,770	Tara Laster Hoffman	P-46,510
John E. Holmes	29,392	Jeffrey J. Howell	46,402
Garrett V. Davis	32,023	Marcus R. Mickney	44,941
Lance G. Johnson	32,531	Christian C. Michel	46,300

Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to:  Customer Number or Bar Code Label  OR  Correspondence address below

Name	John E. Holmes				
Address	Roylance, Abrams, Berdo & Goodman, L.L.P.				
Address	1300 19th Street, N.W., Suite 600				
City	Washington	State	D.C.	ZIP	20036
Country	USA	Telephone	(202)659-9076	Fax	(202)659-9344

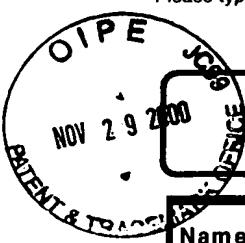
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:	<input type="checkbox"/> A petition has been filed for this unsigned inventor						
Given Name (first and middle if any)			Family Name or Surname				
Ernst			Eberlein				
Inventor's Signature						Date	
Residence: City	Grossenseebach	State		Country	Germany	Citizenship	German
Post Office Address	Waldstrasse 28 b						
Post Office Address							
City	Grossenseebach	State		ZIP	D-91091	Country	Germany

Additional inventors are being named on the \_\_\_\_\_ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto

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## DECLARATION

ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 2 of 2

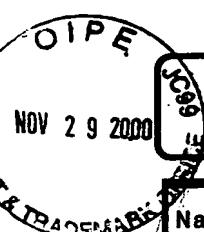
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])		Family Name or Surname				
Albert		Heuberger				
Inventor's Signature						Date
Residence: City	Erlangen	State		Country	Germany	Citizenship
Post Office Address	Hausaeckerweg 18					
Post Office Address						
City	Erlangen	State		ZIP	D-91056	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])		Family Name or Surname				
Heinz		Gerhaeuser				
Inventor's Signature						Date
Residence: City	Waischenfeld	State		Country	Germany	Citizenship
Post Office Address	Saugendorf 17					
Post Office Address						
City	Waischenfeld	State		ZIP	D-91344	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle [if any])		Family Name or Surname				
Inventor's Signature						Date
Residence: City		State		Country		Citizenship
Post Office Address						
Post Office Address						
City		State		ZIP		Country

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<b>DECLARATION</b>		<b>ADDITIONAL INVENTOR(S)</b> <b>Supplemental Sheet</b> Page <u>1</u> of <u>2</u>
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<b>Name of Additional Joint Inventor, If any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
<u>Sabah</u>		<u>Badri</u>					
Inventor's Signature	<u>S. Badri</u>					Date	11/22/00
Residence: City	Erlangen	State	Country	Germany	DEX	Citizenship	Moroccan
Post Office Address	Sebaldusstrasse 8						
Post Office Address							
City	Erlangen	State	ZIP	D-91058	Country	Germany	
<b>Name of Additional Joint Inventor, If any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
<u>Stefan</u>		<u>Lipp</u>					
Inventor's Signature	<u>S. Lipp</u>					Date	11/22/00
Residence: City	Erlangen	State	Country	Germany	DEX	Citizenship	German
Post Office Address	Steinweg 9 a						
Post Office Address							
City	Erlangen	State	ZIP	D-91058	Country	Germany	
<b>Name of Additional Joint Inventor, If any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
<u>Stephan</u>		<u>Buchholz</u>					
Inventor's Signature						Date	
Residence: City	Muenchen	State	Country	Germany		Citizenship	German
Post Office Address	Kerschlacher Strasse 8						
Post Office Address							
City	Muenchen	State	ZIP	D-81447	Country	Germany	

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**DECLARATION**

**ADDITIONAL INVENTOR(S)**  
**Supplemental Sheet**

Page 2 of 2

<b>Name of Additional Joint Inventor, If any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned Inventor					
Given Name (first and middle [if any])		Family Name or Surname					
<u>Albert</u>		<u>Heuberger</u>					
Inventor's Signature	<u>Albert</u>					Date	11/21/00
Residence: City	<u>Erlangen</u>	State		Country	Germany <input checked="" type="checkbox"/>	Citizenship	German
Post Office Address	<u>Hausaeckerweg 18</u>						
Post Office Address							
City	<u>Erlangen</u>	State		ZIP	<u>D-91056</u>	Country	Germany
<b>Name of Additional Joint Inventor, If any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned Inventor					
Given Name (first and middle [if any])		Family Name or Surname					
<u>Heinz</u>		<u>Gerhaeuser</u>					
Inventor's Signature	<u>Heinz</u>					Date	11/21/00
Residence: City	<u>Waischenfeld</u>	State		Country	Germany <input checked="" type="checkbox"/>	Citizenship	German
Post Office Address	<u>Saugendorf 17</u>						
Post Office Address							
City	<u>Waischenfeld</u>	State		ZIP	<u>D-91344</u>	Country	Germany
<b>Name of Additional Joint Inventor, If any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Inventor's Signature						Date	
Residence: City		State		Country			Citizenship
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## DECLARATION

### ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 2

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Given Name (first and middle [if any])		Family Name or Surname						
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Inventor's Signature	<i>Stephan Buchholz</i>					Date	11/20/00	
Residence: City	Muenchen	State		Country	Germany	DEX	Citizenship	German
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*4-00*  
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 OR  
 Registered practitioner(s) name/registration number listed below

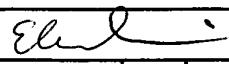
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Alfred N. Goodman	26,458	Wayne C. Jaeschke, Jr.	38,503
Mark S. Bicks	28,770	Tara Laster Hoffman	P-46,510
John E. Holmes	29,392	Jeffrey J. Howell	46,402
Garrett V. Davis	32,023	Marcus R. McKinney	44,941
Lance G. Johnson	32,531	Christian C. Michel	46,300

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Direct all correspondence to:  Customer Number  OR  Correspondence address below

Name	John E. Holmes				
Address	Roylance, Abrams, Berdo & Goodman, L.L.P.				
Address	1300 19th Street, N.W., Suite 600				
City	Washington	State	D.C.	ZIP	20036
Country	USA	Telephone	(202)659-9076		Fax (202)659-9344

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Ernst			Eberlein				
Inventor's Signature						Date	11/21/00
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Post Office Address							
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First Named Inventor	Ernst Eberlein
<b>COMPLETE IF KNOWN</b>	
Application Number	/
Filing Date	
Group Art Unit	
Examiner Name	

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My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Coarse Frequency Synchronisation in Multicarrier Systems

the specification of which  
 is attached hereto  
 OR  
 was filed on (MM/DD/YYYY)  as United States Application Number or PCT International

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Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	Certified Copy Attached? NO
			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>

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